US006269950B1

(12) **United States Patent**
Nguyen

(10) **Patent No.: US 6,269,950 B1**
(45) **Date of Patent: *Aug. 7, 2001**

(54) **TAB-FREE THERMOPLASTIC T-SHIRT BAG SYSTEM**

(76) Inventor: **Tai H. Nguyen**, 83 Monterrey Dr., Kenner, LA (US) 70065

(*) Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **09/189,854**

(22) Filed: **Nov. 10, 1998**

Related U.S. Application Data

(63) Continuation-in-part of application No. 08/717,083, filed on Oct. 7, 1996, now Pat. No. 5,863,130, which is a continuation-in-part of application No. 08/337,167, filed on Nov. 10, 1994, now Pat. No. 5,561,967, which is a continuation-in-part of application No. 08/124,278, filed on Sep. 20, 1993, now Pat. No. 5,363,965.

(51) **Int. Cl.**[7] **B65D 33/14**
(52) **U.S. Cl.** **206/554**; 383/9
(58) **Field of Search** 206/554, 390; 383/7–9, 37

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,529,090	*	7/1985	Pilon	206/554
4,796,759	*	1/1989	Schisler	206/554
5,074,674	*	12/1991	Kuklies et al.	383/8
5,188,235	*	2/1993	Pierce et al.	206/554
5,207,328	*	5/1993	Bose et al.	206/554
5,346,310	*	9/1994	Nguyen	383/9
5,363,965	*	11/1994	Nguyen	206/554
5,465,846	*	11/1995	Blyth et al.	206/554
5,695,064	*	12/1997	Huang et al.	206/554
5,845,779	*	12/1998	Wilfong, Jr. et al.	206/554

* cited by examiner

Primary Examiner—Jim Foster
(74) *Attorney, Agent, or Firm*—Joseph T. Regard, Ltd.

(57) **ABSTRACT**

A bag and system for dispensing thermoplastic bags or the like from a stack of bags. The preferred, exemplary embodiment of the present system teaches a configuration which minimizes the probability of stress fractures in the dispensed bag, and tearing associated therewith, while providing a system which leaves no "throw away" product on the rack after dispensing a bag stack, as the present system has no central tear-off tab, thereby providing a more environmentally attractive alternative to other, prior art systems. Further, the bag of the present invention also contemplates a non-removable central mouth support raised area, wherein there is provided a support cut configured to accept a rack central support piece, the cut configured to provide maximum ease in separation of the dispensed bag from the pack, with clean separation of the area above the support cut of the pack, thereby preventing tearing of the bag upon dispensing. Situated in spaced relationship above the medial portion of support cut is a dispense cut formed between the upper edge of the raised area formed in the bag mouth area of the bag, the dispense cut configured to facilitate removal of the bag from a bag rack support piece, dispensing an individual bag from a pack of bags, while not affecting the support strength of the support cut in its operation of retaining the stack of bags upon the bag rack.

4 Claims, 8 Drawing Sheets